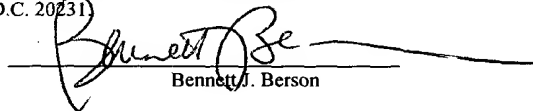


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Date of Signature and Deposit: October 8, 2001


Bennett J. Berson

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Greenspan, et al.

Date: October 8, 2001

Serial No.: 09/942,366

Group Art Unit:

Filed: August 29, 2001

Examiner:

For: MAMMALIAN TOLLOID-LIKE GENE AND PROTEIN

File No.: 960296.98351

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents
Washington DC 20231

Dear Sir:

Enclosed is a completed Form PTO-1449 listing documents which the applicant in the above-identified application wishes to bring to the attention of the Examiner for consideration in connection with the examination on the merits of this application.

This application is a divisional of U.S. Application Serial No. 09/240,473, filed February 1, 1999 issued October 2, 2001 as Patent No. 6,297,011, which was a continuation of U.S. Application Serial No. 08/866,650 filed May 30, 1997 issued August 17, 1999 as Patent No. 5,939,321, which claimed benefit of Provisional Application No. 60/018,684 filed May 30, 1996. All documents listed on the enclosed Form PTO-1449 were previously submitted to, or cited by, the Office in the above-related cases. Pursuant to 1.98(d), copies of documents are not included herein.

No fee is believed due in connection with this submission. However, should any fee be due, please charge the fee to Deposit Account No. 17-0055.

Respectfully submitted,



Bennett J. Berson

Reg. No. 37,094

Attorney for Applicants

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Form PTO-1449
(Rev. 2-88)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. NO.

960206.98351

SERIAL NO.

09/942,366

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S):

Greenspan/Takahara/Hoffman

FILING DATE:

08/29/01

GROUP

1643

U.S. PATENT DOCUMENTS

| * EXAMINER'S INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|------|------|-------|----------|----------------------------|
| | | | | | | |
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FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | YES | NO |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

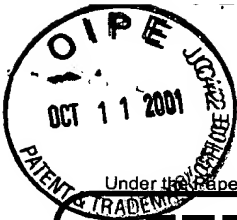
| | | |
|--|--|---|
| | | Bond, Judith S. et al., "The Astacin Family of Metalloendopeptidases," <u>Protein Science</u> , 4:1247-1261 (1995). |
| | | Crystal, Ronald, <u>Science</u> , 270: 404-409 (1995). |
| | | Greenspan, D.S., "Mus Musculus Mammalian Tolloid-like Protein mRNA", Genbank Accession Number U34042 (1996). |
| | | Johnson, George, "The Chicken with the Duck's Feet: It's All in the Biochemical Signal," <u>The New York Times Science</u> (5/21/96). |
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| | | Takahara, Kazuhiko, et al., "Bone Morphogenetic Protein-1 and a Mammalian Tolloid Homologue (mTld) Are Encoded by Alternatively Spliced Transcripts Which Are Differentially Expressed in Some Tissues, <u>The Journal of Biological Chemistry</u> , 269(51): 32572-32578 (1994). |
| | | Takahara, Kazuhiko et al., "Structural Organization and Genetic Localization of the Human Bone Morphogenetic Protein 1/Mammalian Tolloid Gene", <u>Genomics</u> , 29(1): 9-15 (1995). |
| | | Takahara, Kazuhiko et al., "Characterization of a Novel Gene Product (Mammalian Tolloid-Like) with High Sequence Similarity to the Mammalian Tolloid/Bone Morphogenetic Protein-1", <u>Genomics</u> , 34(2): 157-165 (1996). |
| | | Ngo, et al., "The Protein Folding Problem and Tertiary Structure Prediction", Merz et al. (Ed.), Birkhauser, Boston, MA, 433, 492-495 (1994). |

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if a citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. QBMAD/314823.1





1643

PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

| | |
|----------------------|---------------------|
| Application Number | 09/942,366 |
| Filing Date | August 29, 2001 |
| First Named Inventor | Daniel S. Greenspan |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket No. | 960296.98351 |

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 17-0055
Deposit Account Name: Quarles & Brady LLP

- ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
☐ Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 101 740 | 201 370 | Utility filing fee | |
| 106 330 | 206 165 | Design filing fee | |
| 107 510 | 207 255 | Plant filing fee | |
| 108 740 | 208 370 | Reissue filing fee | |
| 114 160 | 214 80 | Provisional filing fee | |

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|---------------------------|--------------|----------------|----------|
| Independent Claims | -20** = | X | |
| Multiple Dependent Claims | -3** = | X | |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|--|
| 103 18 | 203 9 | Claims in excess of 20 |
| 102 84 | 202 42 | Independent claims in excess of 3 |
| 104 280 | 204 140 | Multiple dependent claim, if not paid |
| 109 84 | 209 42 | ** Reissue independent claims over original patent |
| 110 18 | 210 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130 | 205 65 | Surcharge - late filing fee or oath | |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 130 | 139 130 | Non-English specification | |
| 147 2,520 | 147 2,520 | For filing a request for ex parte reexamination | |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 110 | 215 55 | Extension for reply within first month | |
| 116 400 | 216 200 | Extension for reply within second month | |
| 117 920 | 217 460 | Extension for reply within third month | |
| 118 1,440 | 218 720 | Extension for reply within fourth month | |
| 128 1,960 | 228 980 | Extension for reply within fifth month | |
| 119 320 | 219 160 | Notice of Appeal | |
| 120 320 | 220 160 | Filing a brief in support of an appeal | |
| 121 280 | 221 140 | Request for oral hearing | |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 110 | 240 55 | Petition to revive - unavoidable | |
| 141 1,280 | 241 640 | Petition to revive - unintentional | |
| 142 1,280 | 242 640 | Utility issue fee (or reissue) | |
| 143 460 | 243 230 | Design issue fee | |
| 144 620 | 244 310 | Plant issue fee | |
| 122 130 | 122 130 | Petitions to the Commissioner | |
| 123 50 | 123 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 180 | 126 180 | Submission of Information Disclosure Stmt | |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | |
| 146 740 | 246 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 740 | 249 370 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 740 | 279 370 | Request for Continued Examination (RCE) | |
| 169 900 | 169 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type) Bennett J. Berson

Registration No. 37,094
(Attorney/Agent)

Complete (if applicable)

Telephone 608-251-5000

Signature

Date

October 8, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

QBME5128699.1

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